



Application No. 10/662,453
Amendment dated September 21, 2006
Reply to Office Action of July 27, 2006

Docket No.: 4633-0107P

AMENDMENTS TO THE CLAIMS

Claim 1 (Cancelled).

2. (Previously presented) A display device comprising a display panel and a plurality of wiring boards placed along a periphery of the display panel,

wherein the display panel has panel-side connection wiring for electrically connecting a first wiring board and a second wiring board adjacent to each other among the plurality of wiring boards,

each of the plurality of wiring boards has an insulating base, a board-side wiring group running on the insulating base, and at least one driving circuit element for driving the display panel,

the board-side wiring group is composed of element-connected wiring electrically connected to the driving circuit element, first non-connected wiring having no electrical connection to the driving circuit element and second non-connected wiring having no electrical connection to the driving circuit element, and

the panel-side connection wiring is formed so that the element-connected wiring of the first wiring board and the first non-connected wiring of the second wiring board are electrically connected to each other and so that the first non-connecting wiring of the first wiring board is connected to the second non-connecting wiring of the second wiring board and so that the element-connected wiring of the second wiring board is not electrically connected to the board-side wiring group of the first wiring board,

wherein the plurality of wiring boards have wiring patterns identical in board-side wiring group.

3. (Original) The display device of Claim 2, wherein a plurality of lines constituting the board-side wiring group run on the insulating base without crossing each other,

the non-connected wiring is in a roughly U shape as viewed from top with both ends at the periphery of the insulating base, and

at least one end of the element-connected wiring is located inside or outside both ends of the non-connected wiring at the periphery of the insulating base, or the element-connected wiring is interposed between a plurality of lines of the non-connected wiring.

4. (Original) The display device of Claim 3, wherein the non-connected wiring has another roughly U shape as viewed from top in at least a portion near one end extending in a direction away from the other end.

5. (Previously presented) The display device of Claim 2, wherein each of the plurality of wiring boards has n or $n+1$ sets of lines that constitute the board-side wiring group and are involved in signal transmission where n is the total number of driving circuit elements of the plurality of wiring boards (n is a natural number equal to or more than 2).

6. (Previously presented) The display device of Claim 2, wherein each wiring board further has board-side spare wiring electrically connected to the driving circuit element,

the display panel further has gate lines, source lines crossing the gate lines, switching elements electrically connected to the gate lines and the source lines, pixel electrodes connected to the gate lines and the source lines via the switching elements, and panel-side spare wiring electrically connected to the board-side spare wiring, and

the panel-side spare wiring crosses the source lines via an insulating film near both ends of the source lines.

7. (Previously presented) The display device of Claim 2, wherein the display panel is a liquid crystal panel.

Claims 8-11 (Cancelled).

12. (Previously presented) The wiring board provided for the display device of Claim 2.

13. (Previously presented) The display panel provided for the display device of Claim 2.

14. (Currently amended) A display device comprising:

a display panel having panel side connection wiring;

a first wiring board having an insulating base, a driving circuit element for driving the display panel, a first wiring path connected to the driving circuit element, a second wiring path not connected to the driving circuit element and a third wiring path; and

a second wiring board identical to the first wiring board;

wherein the panel-side connection wiring connects the second wiring path of the first wiring board to the first wiring path of the second wiring board.

15. (Previously presented) The display device of claim 14 wherein the panel-side wiring connects the third wiring path of the first board to the second wiring path of the second board.

16. (Previously presented) The display device of claim 14,

wherein in the panel-side connection wiring, none of the first, second and third wiring paths of the second board are connected to the first wiring path of the first board.

17. (New) A display device comprising:

a display panel having panel side connection wiring;

a first wiring board having an insulating base, a driving circuit element for driving the display panel, a first wiring path connected to the driving circuit element, a second wiring path and a third wiring path; and

a second wiring board identical to the first wiring board and having a first wiring path identical to the first wiring path of the first wiring board connected to the driving circuit element, a second wiring path identical to the second wiring path of the first wiring board, and a third wiring path identical to the third wiring path of the first wiring board;

wherein the panel-side connection wiring connects the second wiring path of the first wiring board to the first wiring path of the second wiring board and connects the third wiring

path of the first wiring board to the second wiring path of the second wiring board.

18. (New) The display device of claim 17,
wherein in the panel-side connection wiring, none of the first, second and third wiring
paths of the second board are connected to the first wiring path of the first board.